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Dr Sarah Jane Veevers PhD

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About

Dr Jane Veevers is a research sedimentologist working on the Silurian succession of the Welsh Basin. Her work includes detailed lithostratigraphical analysis, chemostratigraphical correlation and sequence stratigraphical analysis of dominantly clastic successions in Pembrokeshire, and mixed clastic-carbonate sequences in the Welsh Borderland.

Qualifications

2007 – PGCE Secondary Geography, Open University
2006 – PhD "Sedimentological and sequence stratigraphical studies in the Silurian of the Welsh Basin", University of Birmingham
2000 – BSc Hons Geology, University of Wales, Aberystwyth

Biography

Jane is a sedimentologist with a particular interest in the evolution of the southern and eastern margins of the Welsh Basin during the Silurian. She began her studies with a Geology BSc (Hons) Degree from the University of Wales, Aberystwyth (2000) and then taught Field Studies on the Isle of Arran for a season, before starting her PhD. Under a University of Birmingham Studentship she completed her PhD on Stratigraphy and Sedimentology in the Silurian of the Welsh Basin (2006). Whilst completing teacher training (Open University) she also worked as a Visiting Lecturer and Post-Doctoral Research Assistant at Birmingham (2007). After teaching Secondary Geography for four years she has now returned to Birmingham as an Honorary Research Fellow.

Teaching

Jane has previously taught sedimentary geology at undergraduate level, co-supervised final year BSc and MSc projects, and contributed to the undergraduate geology fieldwork programme including trips to Pembrokeshire, The Wrekin, Wren's Nest and Assynt.

Research

Jane's research is currently focused on a detailed sedimentological investigation of the Llandovery-Wenlock rocks of the Pretannian margin of the Welsh Basin, and across the Ludlow-Přídolí boundary on the Midland Platform. This includes a revision of the lithostratigraphy in the Marloes Block, southwest Pembrokeshire, and a reinterpretation of the environment of deposition, providing a significantly more detailed picture of the basin margin and the processes that were operating there at this time.

Chemostratigraphical techniques have been used to provide a high-resolution correlation which was not previously available as the biostratigraphical framework is limited. Using detailed analysis of the sedimentary characteristics, high-resolution variations in relative sea level can be identified. This has allowed the production of a more detailed sea level curve for the southern margin of the Basin, which complements existing studies elsewhere in the Basin.

Jane is also currently working on a reinterpretation of the sedimentology of the Ludlow Bone Bed and contiguous strata. This horizon has long been of research interest, and a variety of interpretations for the mechanism(s) and environment of its deposition have been proposed; this work revises these in light of fresh sedimentological and sequence stratigraphical analysis.

Other activities

Jane is a member of the Ludlow Research Group (LRG) and the IGCP project 591: The Early to Middle Palaeozoic Revolution.

Publications

Journal Articles

Veevers, S. J, Thomas, A. T. and Turner, P. (2007). Fan-delta sedimentation in the Silurian Coralliferous Formation of SW Wales: implications for the structure of the southern margin of the Welsh Basin. *Geol. Mag, 144(2), 319-331.*, 144(2), 319-331.

Pykett, J., Norcup, J., **Veevers, S. J.,** Hopkins, P., Jackson, P., Griffiths, H., 2010. Designing identity: exploring citizenship through geography. Geography, 95 (3), 132-142.

Book chapter

Veevers S. J. and Thomas A, T., 2011. The Ludlow Bone Bed and contiguous strata, Ludford Corner, Ludlow. In: Siluria Revisited: A Field Guide. International Subcommission on Silurian Stratigraphy, Field Meeting 2011 (ed. D.C. Ray), 75 – 81.

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